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EPA
U.S. EPA Region II
290 Broadway
New York, NY 10007

RST2
Technical Direction Document

Core Response Team Year 5 (0017)
Weston Solutions, Inc.

TDD #: TO-0017-0162
Contract: EP-W-06-072

! = required field

TDD Name:	Combe Fill South	! Period:	Option Period 1
! Purpose:	TDD Initiation		
! Priority:	High	! Start Date:	12/13/2010
Overtime:	Yes	! Completion Date:	05/15/2011
! Funding Category:	CERCLA\Removal	Invoice Unit:	
! Project/Site Name:	Combe Fill South		
Project Address:	Parker Road	Activity:	
County:	Morris	Work Area Code:	
City, State:	Chester Township, New Jersey	Activity Code:	RD
Zip:	07930	EMERGENCY CODE:	☐ KAT ☐ RIT
! SSID:	56	FPN:	
CERCLIS:	NJD094966611	Performance Based:	No
Operable Unit:			

Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	$0.00	0.0
This Action:	$0.00	600.0
New Total:	$0.00	600.0

Specific Elements

Description of Work:

Background.

The Combe Fill South Landfill consisted of three separate fill areas comprising 65 acres on a 115-acre parcel of land between Chester and Washington Townships. The site operated as a municipal landfill from the 1940s until 1981 and was licensed to accept domestic and non-hazardous industrial wastes, sewage sludge, septic tank wastes, chemicals, and waste oils. In 1978, Combe Fill Corporation (CFC) bought the landfill. While under CFC management, The Combe Fill South Landfill consisted of three separate fill areas comprising 65 acres on a procedures at the landfill violated many of the New Jersey solid waste administrative codes. CFC went bankrupt in 1981, before the landfill was properly closed. A citizens' group, one of two formed by residents who were concerned over disposal practices at the site, sampled the groundwater, leachate, and surface water and found them to be contaminated. Testing indicated that the fill material consists mainly of highly decomposed rubbish, and that no hot spots or localized sources of hazardous substances could be located. Contaminants have seeped into the aquifer beneath the site. The area surrounding the site is semi-rural. Nearby Trout Brook is used for fishing and recreational activities. Approximately 170 people live within 1/2 mile of the

landfill. Most of the residents use private wells as their source of drinking water. Vegetable and grain crops, orchards, and horse farms are located near the site. In 1986, EPA and the State selected a containment remedy for the site. The containment remedial action has been completed and the site is now undergoing operation and maintenance.

In 1986, EPA and the State selected a remedy that included: (1) providing an alternate water supply system for affected residents (2) covering the landfill with clay or a synthetic material to prevent surface water and rainwater from coming into contact with the buried wastes; (3) installing a system to collect the landfill gases; (4) pumping the shallow groundwater and leachate and treating it prior to discharge into Trout Brook; (5) installing controls to accommodate stormwater runoff and seasonal increases in precipitation; and (6) performing an additional study to determine if the deep aquifer needs treatment. The design for the landfill was completed in June 1992. Construction activities have been completed and the site is now undergoing operation and maintenance. EPA and the State were involved in litigation with the potentially responsible parties to recover past costs incurred at the site. In October 2003, NJDEP procured a contractor to conduct RI/FS activities for the deep aquifer study, however, EPA assumed the lead for a study of the deeper aquifer at the site in July 2009. Planning efforts are also being undertaking to install a waterline to residential properties affected or threatened by site-related ground water contamination.

In accordance with the Assessment Activities Section in the SOW, RST 2 shall provide removal site assessment support and perform the following activities:

1. Provide **five** personnel with Level **D** capability to support this removal assessment in two teams of two plus one sample coordinator. Samples will be collected from private drinking water wells. In some cases, samples will be collected for pre-treatment and post-treatment. A meeting will be held to discuss site logistics and task assignments and is tentatively scheduled for Tuesday, December 28, 2010. Fieldwork will be for approximately **ten days**. The sampling event is tentatively set to begin on or about January 18, 2011 and will likely encompass 2 weeks of field work.

2. Contractor shall also perform the following tasks:
   - Conduct an initial site visit with the Task Monitor to review site conditions and logistics.
   - Conduct aqueous sampling from private drinking water wells, possibly pre- and post-treatment. (Private drinking water wells/tap water sampling will be sampled from the area surrounding the landfill.
   - Maintain site log and Site information database.
   - Prepare health and safety plan: **A draft version is due to the Task Monitor by January 10, 2011, with the final version due one day prior to the visit.**
   - Prepare a QAPP. **A draft version is due to the Task Monitor by January 10, 2010, with the final version due one day prior to the event.**
   - Prepare site maps.
   - Document on-site activities
   - Perform analyses of aqueous samples. Analyses will include: VOCs, specifically including 1,4-dioxane. Contact the OSC to discuss turnaround times.

- Perform data validation as required
- Provide Assessment Report including all validated sampling results and observations **within two weeks** of receipt of all validated analytical results. The report should include the following:
    - Discussion of site background, site layout, general observations, and sampling
    - Select photographic documentation including captions
    - Site Location Map (standard), Site layout (Aerial and 0.2 mi radius of the Site), and Sample Location Map
    - Tables summarizing sample results
    - Analytical results should be tabulated, but do not need to be compared to a regulatory standard.
    - Tabulated results should be attached to the report. Results do not need to be summarized in body of the report.
    - Validated analytical data packages scanned to CD or DVD

Accounting and Appropriation Information

Line	DCN	IFMS	Budget/ FY	Appropriation Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	SFO: Amount
	HE0011	AW1								$0.00

Funding Summary:	Funding
Previous:	$0.00
This Action:	$0.00
Total:	$0.00

Funding Category
CERCLA\Removal

Section
- Signed by Norman Vogelsang/R2/USEPA/US on 12/07/2010 09:22:06 AM, according to Jennifer Sy/sta
: Alferman/Gaughan/Rosoff **Date:** 12/07/2010
Project Officer Section - Signed by Norman Vogelsang/R2/USEPA/US on 12/07/2010 09:27:36 AM, according t
Project Officer: Norman Vogelsang **Date:** 12/07/2010
Contracting Officer Section - Signed by Anthony Tao/R2/USEPA/US on 12/07/2010 04:23:23 PM, according to
Contracting Officer: Anthony Tao **Date:** 12/07/2010
Contractor Section - Signed by Jennifer Sy/start6/rfw-start/us on 12/08/2010 08:38:35 AM, according t
Contractor Contact: Jennifer Sy **Date:** 12/08/2010

PM: Baton

REGION 2 RST 2

TDD FILE CHECKLIST

PROJECTNAME: Combe Fill South TDD#: TO-0017-0162

LEAD RST 2 MEMBER: J Benton TASK #: 4172

REQUIRED (Y/N)	ITEM	DATE ENTERED
Y	TDD FORM	12-8-10
	TDD AMMENDMENTS	
Y	DRAFT AOC	
Y	FINAL AOC	
Y	H & S PLAN/WAIVER	
	TRIP REPORT	
	LOG BOOK COPIES	
	SAMPLING PLAN	
	ANALYTICAL DATA	
	SITE PHOTOGRAPHS/VIDEO	
	MAPS	
	OTHERS	
	OTHERS	
	OTHERS	
	OTHERS	
	OTHERS	
	OTHERS	

Comments: PM: Change 3-8-11

Final file inspected by: _____ Date: _____